ILLINC.026C1 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BEAD-BASED

Applicant

Kain et al.

App. No

10/638,173

Filed

August 6, 2003

For

ALTERNATIVE SUBSTRATES AND

FORMATS FOR

ARRAY OF ARRAYS

Examiner

B. J. Forman

Art Unit

1634

Conf#

3813

CERTIFICATE OF EFS WEB TRANSMISSION

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Jerry J. Hefner, Reg. No. 53,009

RESPONSE TO NON-FINAL OFFICE ACTION

Mail Stop Amendment

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

This is a response to the non-final Office Action issued October 11, 2007 in connection with the above-referenced patent application. Applicants respectfully request that the Examiner enter the following amendments and consider the following remarks.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Summary of Interview begins on page 10 of this paper.

Remarks begin on page 11 of this paper.